

The race towards net zero

How Formula 1 teams
compete in sustainability



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Formula 1 (F1) is the fastest sport on Earth, but its carbon footprint isn't measured just by speed. F1 has committed to the monumental goal of achieving net zero carbon emissions by 2030.

Achieving this goal is a combined effort between Formula 1 management, the International Automobile Federation (FIA) and the ten competing F1 teams. Kicking off the 2026 season, Formula 1 will accelerate its net zero efforts with the introduction of advanced sustainable fuels.¹ These 100% fossil-free fuels, produced from captured carbon, municipal waste and non-food biomass, represent a major step in reducing the sport's direct emissions and driving sustainable fuel innovation.

F1 cars contribute a small fraction of F1's total carbon emissions.² The real impact lies in logistics, travel and event operations that come with moving freight, people and equipment across the world for 24 race weekends. This places the spotlight firmly on the F1 teams' internal sustainability efforts, from operational efficiency and supply chain management to fostering diverse teams capable of tackling potential challenges.

¹ F1: 2026 Regulations Explained: All You Need To Know About F1'S Advanced Sustainable Fuels

² BBC Sport: [Australia bushfires - F1 monitoring fires before start of new season](#)

The sustainability grid: four teams under review

While all 10 teams have achieved FIA's three-star Environmental Accreditation¹ – the highest level of environmental recognition in motorsport – only four teams have committed to true transparency by publishing standalone, comprehensive sustainability reports dedicated to their F1 operations. **These are McLaren Mastercard, Mercedes-AMG PETRONAS, Atlassian Williams and Aston Martin Aramco.**



F1's sustainability strategy² sets clear goals for transitioning towards sustainable fuels, efficient logistics and credible carbon offsets by 2030. However, publishing a detailed public report is the ultimate measure of commitment. These documents reveal how teams are defining their material topics, managing their operational footprint and aligning their initiatives with the FIA's net zero vision. By disclosing this information, these four teams set a powerful precedent for accountability in high-performance motorsport.

¹ F1: Milestone Reached As All 10 Formula 1 Teams Achieve FIA Three-Star Environmental Accreditation

² F1: Sustainability Strategy

Material topics in F1

Every sustainability strategy starts with a materiality assessment. For F1 teams, material topics are those where they believe their operations have the biggest social and environmental impact and where these issues, in turn, have the greatest impact on them. Across the four teams, the themes largely intersect, with emissions reduction, energy efficiency and sustainable logistics deemed material by all. Yet, their approach also reflects their team identity and priorities.

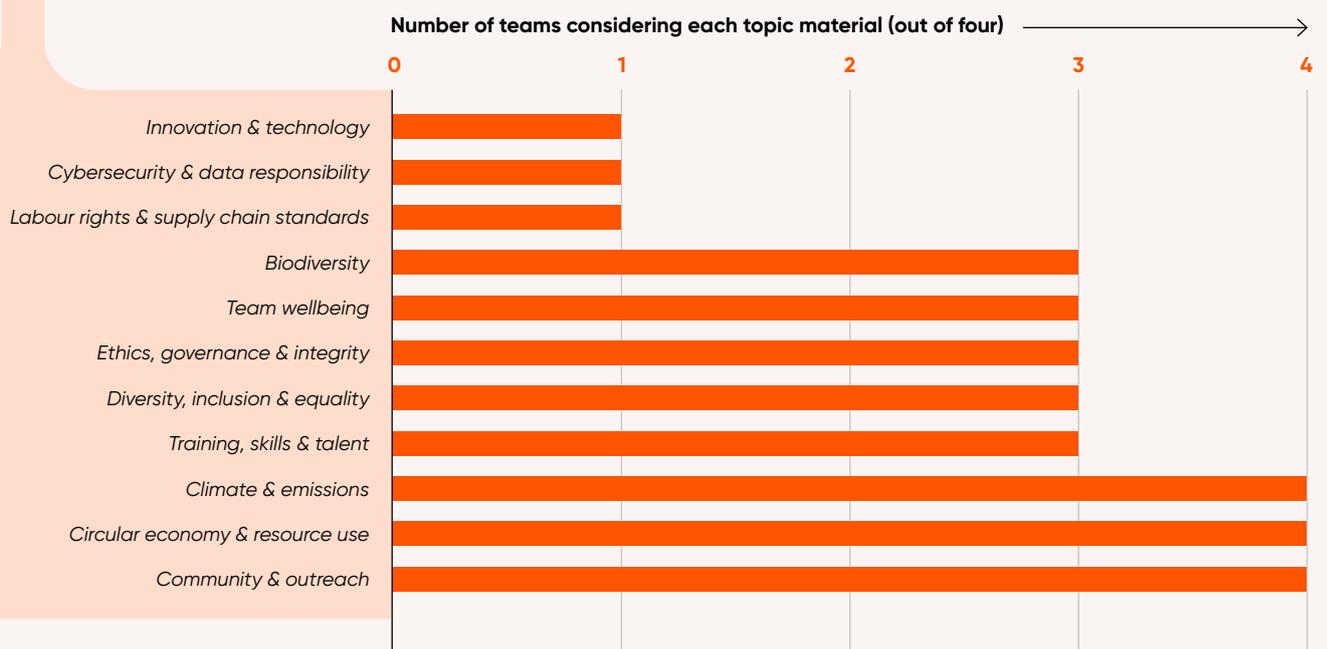
McLaren Mastercard emphasises circular economy and nature protection alongside a ‘people-first’ ethos.

Mercedes-AMG PETRONAS, reporting under the European Sustainability Reporting Standards (ESRS), takes a structured approach by disclosing greenhouse gas emissions, logistics and ethical governance. The team also discloses borderline material topics like data privacy and pollution.

Atlassian Williams links sustainability to its brand identity by focusing on operational efficiency, biodiversity and next-generation talent development.

Meanwhile, **Aston Martin Aramco**, also reporting under the ESRS, covers climate mitigation, biodiversity, STEM education, human rights and ethical business conduct.

Material topics across teams



Assessment



Environmental performance and targets

Evaluates the strength of each team's climate commitments, including disclosure of Scope 1, 2 and 3 greenhouse gas (GHG) emissions, clarity of reduction targets and actions to decarbonise operations.



Social and human capital

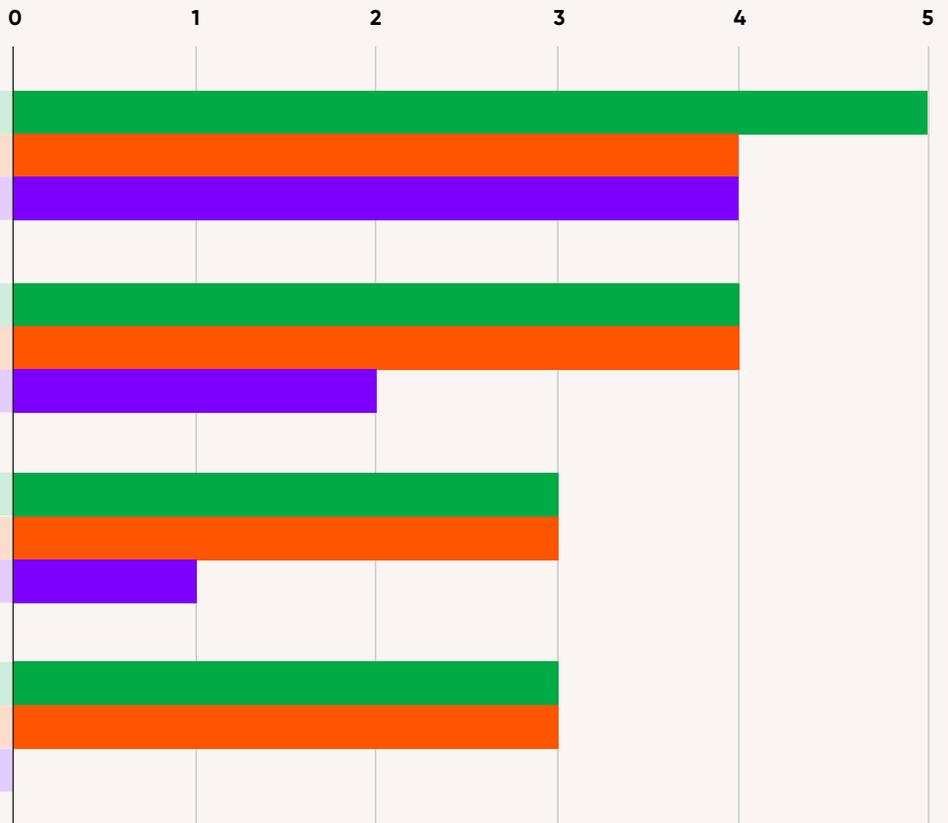
Looks at how teams address diversity and inclusion, STEM education and talent development initiatives. It also considers how teams approach ethical sourcing and supplier sustainability programmes.



Transparency and assurance

Measures the credibility and openness of reporting, assessing the presence of external audits and explicit alignment with reporting frameworks (such as the ESRS, GHG Protocol, Science Based Targets initiative and the UN Sustainable Development Goals).

Number of ESG (Environmental, Social and Governance) material topics





F1 TEAM STANDINGS	
1	 Mercedes-AMG PETRONAS
2	 Aston Martin Aramco
3	 Atlassian Williams
4	 McLaren Mastercard

Who is leading in sustainability?

Mercedes-AMG PETRONAS leads the race with its detailed and independently audited 2024 Sustainability Report aligned with the ESRS, the UN SDGs and FIA net zero guidelines. Its targets are among the most ambitious: 75% reduction and 25% removal for Race Team Control by 2030, moving towards full net zero across all scopes by 2040. The team integrates sustainability into logistics and facilities, for example, by running trucks on hydrotreated vegetable oil (HVO) biofuel, using sustainable aviation fuel and redeveloping its factory to improve waste management and reduce water and energy consumption. When it comes to social topics, Mercedes-AMG PETRONAS promotes diversity, wellbeing and training. The team also engages with its suppliers through collaborative sustainability events. The report's transparency and external verification set a benchmark for sustainability reporting in motorsport.

Aston Martin Aramco is in second place for its detailed ESG Report 2024. Similarly to Mercedes-AMG PETRONAS, it reports under the ESRS, disclosing a wide range of topics identified as material during its double materiality assessment. For example, the team's environmental disclosures state that most of its UK sites already run on 100% renewable electricity, while Aston Martin has established company-wide targets such as zero waste to landfill and 30% water-use reduction per car by 2030. Another strength is that the team's report received independent external verification, making them a credible sustainability player.

Atlassian Williams' 2025 Impact Report focuses on efficiency, emissions reduction, biodiversity and next-generation talent development. It places particular emphasis on strategic social impact, highlighting STEM education initiatives that reached over 10,000 students and Early Careers programmes, which now make up 12% of the workforce. At the same time, the team continues to advance its environmental performance, with measurable progress in on-site renewable energy generation and further steps to integrate circular economy practices into its factory operations. While their framework is less structured than that of Mercedes-AMG PETRONAS or Aston Martin Aramco, the report's operational focus keeps the team ahead in the sustainability race.

McLaren Mastercard's 2024 Sustainability Report focuses on circular economy, climate action and nature protection. It is supported by ISO 14064-verified GHG accounting. The team has halved emissions since their baseline year and sources 100% renewable electricity across its Woking and Indianapolis sites. McLaren Mastercard also stands out for its social disclosures. The team's Engage Alliance and STEM initiatives emphasise inclusion and education and link innovation with people development.

The road to net zero

Sustainability is F1's new performance metric. The competitive edge is no longer just about horsepower, but about accountability and transparency. By adopting frameworks like the ESRS and securing independent external assurance, Mercedes-AMG PETRONAS and Aston Martin Aramco are setting the gold standard for sustainability reporting in F1. Their efforts show that achieving net zero by 2030 is a goal likely to shape the future of motorsport and its impact on and off the track.



You've reached the end of this white paper – but not necessarily the conversation. If you have any questions, comments or reporting woes you'd like to share with us, please get in touch.

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Sources:

[Mercedes-AMG PETRONAS
Sustainability Report 2024](#)

[Aston Martin Aramco
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[Atlassian Williams
Impact Report 2025](#)

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